P.B. SIDDHARTHA COLLEGE OF ARTS & SCIENCE

Siddhartha Nagar, Vijayawada – 520 010

Autonomous - ISO 9001 – 2015 Certified

Title of the Paper: ELECTRONIC INSTRUMENTATION LAB

Offered to: B.SC (M.ECs), ELESEP02

Course Type: Core (P)

Year of Introduction: 2020-21 Year of Revision: Percentage of Revision:

Semester: V Credits : 1

Max. Marks: 50(CCIA: 10+ SEE: 40) Practical Hrs./Week : 3

Course 7B: ELECTRONIC INSTRUMENTATION

Type of the Course: Skill Enhancement Course (Elective: Practical), Credits: 01

I. Course Outcomes: Students at the successful completion of the course will be able to

CO1: Masurement of temperature and Resistance.
CO2: Measurement of R,L,C ,Voltage, Current, Power factor , Power, Energy.
CO3: Ability to balance Bridges to find unknown values.
CO4: .Ability to measure frequency, phase with Oscilloscope.
CO5: Ability to use Digital voltmeters

LABS:

1. CHARACTERISTICS OF- LDR.
2. CHARACTERISTICS OF -THERMISTER.
3. CHARACTERISTICS OF- THERMOCOUPLE.
4. TO FIND THE UN-KNOWN FREQUENCY BY USING WHEAT STONE BRIDGE.
5. TO FIND THE UN-KNOWN CAPACITANCES BY USING WHEAT STONE BRIDGE.
6. MEASUREMENT OF CURRENT USING GALVANOMETER.
7. CHARACTERISTICS OF- LED.
8. CHARACTERISTICS OF- RTD.

LAB MANUAL ARE SUPPLIED BY DEPARTMENT